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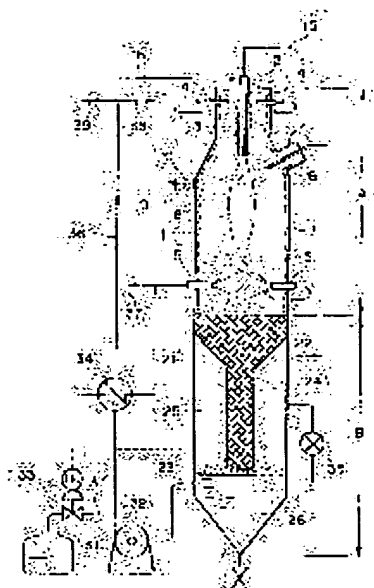
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(54) **COMBUSTION TREATMENT OF POISONOUS GAS AND ITS DEVICE**



(57)Abstract:

**PURPOSE:** To remove solid minute powder that is poisonous efficiently at a high removal rate by leading to a vapor-liquid separator the water and combustion gas being collected and absorbed solid minute powder formed by the combustion treatment and subjecting them to vapor and liquid separation.

**CONSTITUTION:** The solid minute powder that is formed by the combustion treatment of a poisonous gas is caught and absorbed by the water film 11 that is formed on the wall of a furnace and at the same time the powder is caught and absorbed by the water drops that are jetted out from a spray nozzle 5. The water and combustion gas that caught and absorbed the solid minute powder are sent to a vapor and liquid separator B to which the water and combustion gas are directly connected and the solid minute powder that is left in the combustion

gas is caught further by a filling layer 24 and then the vapor and liquid are separated. The separated combustion gas is discharged outside from space section 25 through an exhaust pipe 22.

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## LEGAL STATUS

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